

Name: \_\_\_\_\_

### p1103: Expand Product of Linear Binomials (v2)

#### Question 1

Expand the product of linear binomials.  $(x - 5)(x + 6)$

$$x^2 + 6x - 5x - 30$$

$$x^2 + x - 30$$

#### Question 2

Expand the product of linear binomials.  $(x - 8)(x + 1)$

$$x^2 + x - 8x - 8$$

$$x^2 - 7x - 8$$

#### Question 3

Expand the product of linear binomials.  $(x + 9)(x - 1)$

$$x^2 - x + 9x - 9$$

$$x^2 + 8x - 9$$

#### Question 4

Expand the product of linear binomials.  $(-6x + 2)(-3x - 7)$

$$18x^2 + 42x - 6x - 14$$

$$18x^2 + 36x - 14$$

#### Question 5

Expand the product of linear binomials.  $(-6x + 9)(4x + 6)$

$$-24x^2 - 36x + 36x + 54$$

$$-24x^2 + 54$$

**Question 6**

Expand the product of linear binomials.  $(x - 6)(x - 9)$

$$x^2 - 9x - 6x + 54$$

$$x^2 - 15x + 54$$

**Question 7**

Expand the product of linear binomials.  $(8x - 6)(2x - 7)$

$$16x^2 - 56x - 12x + 42$$

$$16x^2 - 68x + 42$$

**Question 8**

Expand the product of linear binomials.  $(x - 1)(x - 9)$

$$x^2 - 9x - x + 9$$

$$x^2 - 10x + 9$$

**Question 9**

Expand the product of linear binomials.  $(-x + 2)(8x - 4)$

$$-8x^2 + 4x + 16x - 8$$

$$-8x^2 + 20x - 8$$

**Question 10**

Expand the product of linear binomials.  $(2x + 5)(-6x + 7)$

$$-12x^2 + 14x - 30x + 35$$

$$-12x^2 - 16x + 35$$